

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Original) The method of Claim ~~[[1]]~~ 38, wherein ~~spatially matching includes equalizing resolution levels in the images~~ are equalized.
- 3-4. (Canceled)
5. (Currently amended) The method of Claim ~~[[3]]~~ 38, wherein the landmark is a school. ~~information includes schools.~~
6. (Currently Amended) The method of Claim ~~[[4]]~~ 38, wherein the ~~landmark visual feature is one of a soccer field, a football field, a quarter mile track, [[or]] and a baseball field.~~
7. (Canceled)
8. (Currently Amended) The method of Claim ~~[[7]]~~ 1, wherein ~~the series of images are each of the multispectral band images that [[bands]]~~ are sampled at various first resolution levels, and the [[set]] resolution level of the image set is the highest of the various first resolution levels.
- 9-17. (Canceled)
18. (Currently Amended) The system of Claim ~~[[17]]~~ 39, wherein the landmark ~~includes is a school information.~~
19. (Cancelled)
20. (Currently Amended) The system of Claim ~~[[17]]~~ 39, wherein the computer is programmed to display a user interface device includes a first component for selecting landmark location information from [[the]] a database.
21. (Currently Amended) The system of Claim ~~[[17]]~~ 20, wherein the user interface can also select device includes a second component for selecting a control point on

a visual feature ~~of the in the displayed satellite image~~ that is associated with the selected landmark.

22. (Currently Amended) The system of Claim ~~[[21]]~~ 39, wherein the landmark visual feature is one of a soccer field, a football field, a quarter mile track, ~~[[or]]~~ and a baseball field.

23. (Currently Amended) The system of Claim ~~[[17]]~~ 39, wherein the ~~multispectral band satellite obtained~~ images include multispectral satellite images of different resolution levels, and wherein the computer is further programmed to set processor further includes a means for setting the multispectral band satellite images to equalized resolution levels.

24. (Currently Amended) The system of Claim 23, wherein each of the ~~multispectral bandsatellite images~~ are sampled at various first resolution levels and the ~~[[set]]~~ resolution level of the image set is the highest of the various first resolution levels.

25-37. (Canceled).

38. (New) A method comprising:

obtaining a series of images of a geographical location that were captured by different aerospace sensor platforms, the platforms having different resolutions and sensor performance characteristics; and

processing the images to produce an integrated, temporally and radiometrically coherent image set, including:

identifying a stationary geographical landmark that is common in all of the images, the landmark having a known geographical location;

using the landmark as a control point in the images; and

using a computer and the landmark in the images to align and correct the images so that frame unit to frame unit data comparisons are geographically accurate and that transient information in the images is temporally and radiometrically coherent.

39. (New) A system for processing a series of images of a geographical location that were captured by different aerospace sensor platforms, the platforms having different resolutions and sensor performance characteristics, the system comprising a computer that is programmed to process the images to produce an integrated, temporally and radiometrically coherent image set, including:

identifying a stationary geographical landmark that is common in all of the series of images, the landmark having a known geographical location;

using the landmark as a control point in the images; and

using a computer and the landmark in the images to align and correct the images so that frame unit to frame unit data comparisons are geographically accurate and that transient information in the images is temporally and radiometrically coherent.